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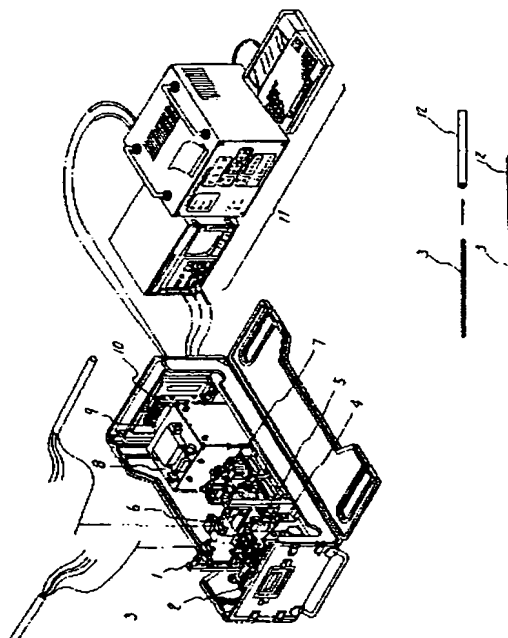
APPLICATION DATE : 07-11-86
APPLICATION NUMBER : 61265881

APPLICANT : KANDENKO CO LTD;

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TITLE : FUSION SPLICING ROBOT FOR
OPTICAL FIBER CABLE



ABSTRACT : PURPOSE: To easily process cores always at an optimum state independently of the skillfulness of a worker and to improve the reliability of fusion splice by automatizing a process relating to the fusion splice of optical fiber cables.

CONSTITUTION: Cores 3 exposed from a housing are carried to a silicon removing device 6 by a robot part 1 to remove the silicon sticking to the cores 3 and the silicon-removed cores 3 are carried to a core cutting device 7 by the robot part 1 to obtain length and an end face required for fusion splice. Then, the cores 3 are carried to a fusion splicing machine 8 by the robot part 1 to splice the cores 3 by fusion, carried to a reinforcing sleeve heat processor 9 by the robot 1 to contract a reinforcing sleeve 12 with heat and the reinforced cores are stored in a spliced core storing part 10 by the robot 1. The robot part 1 and respective devices are collectively controlled by a control device 11. Consequently, plural cores in the optical fiber cable can be automatically processed and fusion-spliced only by setting up the cores manually in a core setting part.

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